CLAIMS

1. Use of an effective amount of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

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$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

in which:

- R₁ and R₂ are chosen independently from:
- 10 hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- saturated or unsaturated rings containing at

 least one hetero atom chosen from O, N and S and
 saturated hydrocarbon-based rings, these rings
 containing from 4 to 7 atoms and possibly being
 fused, comprising a carbonyl or thiocarbonyl
 function, and/or possibly being substituted with
 at least one substituent T₂ chosen from A and R,
 R₁ and R₂ also possibly forming a heterocycle of 4
 to 7 atoms with the nitrogen to which they are
 attached;
 - R_3 and R_5 are chosen independently from:

- hydrogen,
- A,
- halogens,
- the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆,
 COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆,
 NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
- 15 R₄ is chosen from:
 - hydrogen,
 - A,
 - the groups COR_6 , CSR_6 , $COOR_6$, $CONR_6R'_6$, $CSNR_6R'_6$, SO_2R_6 , $SO_2NR_6R'_6$,
- saturated or unsaturated hydrocarbon-based rings,
 of 4 to 7 atoms, 5-atom heterocycles containing
 from one to four hetero atoms, 6-atom
 heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles
 containing from one to three hetero atoms, the
 hetero atoms being chosen from O, N and S, these
 heterocycles being saturated or unsaturated, the

said rings and the said heterocycles possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T4

- 5 chosen from A and R;
 - R_6 , R'_6 , R''_6 and R'''_6 are chosen from:
 - hydrogen,

- saturated or unsaturated, linear or branched C1-C20 alkyl radicals optionally substituted with at least one substituent R',
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being 15 substituted with at least one substituent R;
 - R is chosen from:
 - saturated or unsaturated, linear or branched C1-C20 alkyl radicals,
- 20 - halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR7, COSR7, CSOR7, CSSR7, NR7COR'7, NR7CSR'7, OCOR7, SCOR7, CSNR7R'7, SO2R7, SO2NR7R'7, NR7SO2R'7, $NR_7C(=NR'_7)NR''_7R'''_7$ and $SiR_7R'_7R''_7$;
- 25 R' is chosen from:
 - saturated or unsaturated, linear or branched C1-C₂₀ alkyl radicals,

- halogens,

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- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
- R_7 , R'_7 , R''_7 and R'''_7 independently represent hydrogen or a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl;
- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings
 20 possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, CSSR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally

containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one

5 substituent R,

as an agent for inducing and/or stimulating the growth of keratin fibres, especially human keratin fibres, and/or for reducing their loss and/or increasing their density.

2. Cosmetic use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

15 in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
 - saturated or unsaturated rings containing at least one hetero atom chosen from O, N and S and saturated hydrocarbon-based rings, these rings containing from 4 to 7 atoms and possibly being

fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T_2 chosen from A and R, R_1 and R_2 also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;

- R₃ and R₅ are chosen independently from:
 - hydrogen,
 - A,
- 10 halogens,
 - the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
 - R₄ is chosen from:
 - hydrogen,
 - A,
- 25 the groups COR_6 , CSR_6 , $COOR_6$, $CONR_6R'_6$, $CSNR_6R'_6$, SO_2R_6 , $SO_2NR_6R'_6$,
 - saturated or unsaturated hydrocarbon-based rings,

of 4 to 7 atoms, 5-atom heterocycles containing from one to four hetero atoms, 6-atom heterocycles containing from one to three non-adjacent hetero atoms, 4- or 7-atom heterocycles containing from one to three hetero atoms, the hetero atoms being chosen from 0, N and S, these heterocycles being saturated or unsaturated, the said rings and the said heterocycles possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₄ chosen from A and R;

- R₆, R'₆, R"₆ and R'''₆ are chosen from:
 - hydrogen,
- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R^\prime ,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
 - R is chosen from:
- 25 saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,

- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇;

5 ● R' is chosen from:

- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- halogens,

- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,
 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈,
 OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇,
 NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
- R₇, R'₇, R"₇ and R'''₇ independently represent hydrogen or a saturated or unsaturated, linear or
 branched C₁-C₂₀ alkyl;
 - A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or

thiocarbonyl function, and/or possibly being substituted with at least one substituent R;

T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused,
 comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R,

in a cosmetic composition for caring for and/or making up human keratin fibres, to induce and/or stimulate their growth, to reduce their loss and/or to increase their density.

3. Use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

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in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,

- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- saturated or unsaturated rings containing at

 least one hetero atom chosen from O, N and S and
 saturated hydrocarbon-based rings, these rings
 containing from 4 to 7 atoms and possibly being
 fused, comprising a carbonyl or thiocarbonyl
 function, and/or possibly being substituted with
 at least one substituent T₂ chosen from A and R,
 R₁ and R₂ also possibly forming a heterocycle of 4
 to 7 atoms with the nitrogen to which they are
 attached;
 - R₃ and R₅ are chosen independently from:
- 15 hydrogen,
 - A,

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- halogens,
- the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃

chosen from A and R;

- R₄ is chosen from:
 - hydrogen,
 - A,
- 5 the groups COR₆, CSR₆, COOR₆, CONR₆R'₆, CSNR₆R'₆, SO₂NR₆R'₆,
 - saturated or unsaturated hydrocarbon-based rings,
 of 4 to 7 atoms, 5-atom heterocycles containing
 from one to four hetero atoms, 6-atom
- heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles
 containing from one to three hetero atoms, the
 hetero atoms being chosen from 0, N and S, these
 heterocycles being saturated or unsaturated, the
 said rings and the said heterocycles possibly
 being fused, comprising a carbonyl or
 - being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T_4 chosen from A and R;
- 20 R_6 , R'_6 , R''_6 and R'''_6 are chosen from:
 - hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R^\prime ,
- 25 saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly

being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;

- R is chosen from:
- 5 saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
 - the groups OR_7 , SR_7 , $NR_7R'_7$, CN, CF_3 , COR_7 , CSR_7 , $COOR_7$, $COSR_7$, $CSOR_7$, $CSSR_7$, $NR_7COR'_7$, $NR_7CSR'_7$,
- OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇;
 - R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 15 halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR₈, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- 20 saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
- R₇, R'₇, R"₇ and R'''₇ independently represent hydrogen or a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl;

• A represents a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radical, optionally substituted with at least one substituent T_5 chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being

substituted with at least one substituent R;

- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R,
- for the preparation of a composition for caring for or treating human keratin fibres, which is intended to induce and/or stimulate the growth of the said fibres and/or to reduce their loss and/or to increase their density.
- 4. Use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

in which:

- R₁ and R₂ are chosen independently from:
- 5 hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- saturated or unsaturated rings containing at

 least one hetero atom chosen from O, N and S and
 saturated hydrocarbon-based rings, these rings
 containing from 4 to 7 atoms and possibly being
 fused, comprising a carbonyl or thiocarbonyl
 function, and/or possibly being substituted with
 at least one substituent T₂ chosen from A and R,
 R₁ and R₂ also possibly forming a heterocycle of 4
 to 7 atoms with the nitrogen to which they are
 attached;
 - R₃ and R₅ are chosen independently from:
- 20 hydrogen,
 - A,
 - halogens,
 - the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,

OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,

saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;

10 ● R₄ is chosen from:

- hydrogen,
- A,
- the groups COR₆, CSR₆, COOR₆, CONR₆R'₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆,
- 15 - saturated or unsaturated hydrocarbon-based rings, of 4 to 7 atoms, 5-atom heterocycles containing from one to four hetero atoms, 6-atom heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles 20 containing from one to three hetero atoms, the hetero atoms being chosen from O, N and S, these heterocycles being saturated or unsaturated, the said rings and the said heterocycles possibly being fused, comprising a carbonyl or 25 thiocarbonyl function, and/or possibly being substituted with at least one substituent T4 chosen from A and R;

- R_6 , R'_6 , R''_6 and R'''_6 are chosen from:
 - hydrogen,
- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R',
 - saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
 - R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 15 halogens,

- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇;
- 20 R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,
 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈,
 OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇,
 NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,

- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
- R_7 , R'_7 , R''_7 and R'''_7 independently represent hydrogen or a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl;

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- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings
 possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused,
 comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one

substituent R,

as an inhibitor of 15-hydroxyprostaglandin dehydrogenase, especially of human origin.

5. Use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

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$$\begin{array}{c|c}
R5 & & & \\
\hline
N & R1 \\
R2 & & \\
R4 & & \\
\end{array}$$
(I)

in which:

- R₁ and R₂ are chosen independently from:
- 10 hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- least one hetero atom chosen from O, N and S and saturated hydrocarbon-based rings, these rings containing from 4 to 7 atoms and possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₂ chosen from A and R, R₁ and R₂ also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;
 - R₃ and R₅ are chosen independently from:

- hydrogen,
- A,
- halogens,
- the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆,
 COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆,
 NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
- 15 R₄ is chosen from:
 - hydrogen,
 - A,
 - the groups COR_6 , CSR_6 , $COOR_6$, $CONR_6R'_6$, $CSNR_6R'_6$, SO_2R_6 , $SO_2NR_6R'_6$,
- saturated or unsaturated hydrocarbon-based rings,
 of 4 to 7 atoms, 5-atom heterocycles containing
 from one to four hetero atoms, 6-atom
 heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles
 containing from one to three hetero atoms, the
 hetero atoms being chosen from O, N and S, these
 heterocycles being saturated or unsaturated, the

said rings and the said heterocycles possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T_4 chosen from A and R;

- R₆, R'₆, R"₆ and R'''₆ are chosen from:
 - hydrogen,

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- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R',
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
- R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 20 halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- 25 R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,

- halogens,

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- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
- R_7 , R'_7 , R''_7 and R'''_7 independently represent hydrogen or a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl;
- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, CSSR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally

containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R,

for the manufacture of a composition for caring for or treating human keratin fibres, which is intended to treat disorders associated with 15-hydroxyprostaglandin dehydrogenase in man.

- 6. Use according to one of the preceding claims, characterized in that the keratin fibres are head hair, the eyebrows, the eyelashes, beard hair, moustache hair and pubic hair.
- 7. Use of an effective amount of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

20 in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at

least one substituent T_1 ,

- saturated or unsaturated rings containing at least one hetero atom chosen from O, N and S and saturated hydrocarbon-based rings, these rings
 containing from 4 to 7 atoms and possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₂ chosen from A and R,
 R₁ and R₂ also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;
 - R₃ and R₅ are chosen independently from:
 - hydrogen,
 - A,
- 15 halogens,
 - the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from 0, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
 - R₄ is chosen from:

- hydrogen,
- A,
- the groups COR_6 , CSR_6 , $COOR_6$, $CONR_6R'_6$, $CSNR_6R'_6$, SO_2R_6 , $SO_2NR_6R'_6$,
- 5 - saturated or unsaturated hydrocarbon-based rings, of 4 to 7 atoms, 5-atom heterocycles containing from one to four hetero atoms, 6-atom heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles 10 containing from one to three hetero atoms, the hetero atoms being chosen from O, N and S, these heterocycles being saturated or unsaturated, the said rings and the said heterocycles possibly being fused, comprising a carbonyl or 15 thiocarbonyl function, and/or possibly being substituted with at least one substituent T4 chosen from A and R;
 - R₆, R'₆, R"₆ and R'''₆ are chosen from:
 - hydrogen,
- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R^\prime ,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being

substituted with at least one substituent R;

- R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 5 halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇;
- 10 R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,

- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,
 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈,
 OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇,
 NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
 - R₇, R'₇, R"₇ and R'''₇ independently represent hydrogen or a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl;
 - ullet A represents a saturated or unsaturated, linear or branched C_1-C_{20} alkyl radical, optionally

substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;

5

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T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆ halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused,
 comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R,

in a cosmetic composition for caring for human hair, to reduce hair loss and/or to increase hair density and/or to treat alopecia of natural origin.

8. Use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,
- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- saturated or unsaturated rings containing at least one hetero atom chosen from O, N and S and saturated hydrocarbon-based rings, these rings containing from 4 to 7 atoms and possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T2 chosen from A and R, R1 and R2 also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;
 - R₃ and R₅ are chosen independently from:
 - hydrogen,
 - A,
- 20 halogens,
 - the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆
- saturated or unsaturated rings, optionally containing at least one hetero atom chosen from O, N and S, these rings containing 4 to 7 atoms

and possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T_3 chosen from A and R;

- 5 R₄ is chosen from:
 - hydrogen,
 - A,
 - the groups COR₆, CSR₆, COOR₆, CONR₆R'₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆,
- 10 - saturated or unsaturated hydrocarbon-based rings, of 4 to 7 atoms, 5-atom heterocycles containing from one to four hetero atoms, 6-atom heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles 15 containing from one to three hetero atoms, the hetero atoms being chosen from O, N and S, these heterocycles being saturated or unsaturated, the said rings and the said heterocycles possibly being fused, comprising a carbonyl or 20 thiocarbonyl function, and/or possibly being substituted with at least one substituent T4 chosen from A and R;
 - R_6 , R'_6 , R''_6 and R'''_6 are chosen from:
 - hydrogen,
- 25 saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R',

- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
 - R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 10 halogens,

- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- 15 R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,
 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈,
 OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇,
 NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;

- R_7 , R'_7 , R''_7 and R'''_7 independently represent hydrogen or a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl;
- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
 - T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, CSSR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
- OCOR6, SCOR6, CSNR6R'6, SO2R6, SO2NR6R'6, NR6SO2R'6,

 NR6C(=NR'6)NR"6R''6, SiR6R'6R"6, halogens, saturated

 or unsaturated rings of 4 to 7 atoms optionally

 containing at least one hetero atom chosen from 0,

 N and S, these rings possibly being fused,
- comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R,

for the preparation of a human hair composition, which is intended to induce and/or stimulate the growth of the hair and/or reduce its loss and/or increase its density and/or treat alopecia of natural origin.

25

9. Use of at least one pyrazolecarboxamide

compound of formula (I), or a salt thereof:

$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

5 in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- saturated or unsaturated rings containing at
 least one hetero atom chosen from O, N and S and
 saturated hydrocarbon-based rings, these rings
 containing from 4 to 7 atoms and possibly being

 fused, comprising a carbonyl or thiocarbonyl
 function, and/or possibly being substituted with
 at least one substituent T₂ chosen from A and R,
 R₁ and R₂ also possibly forming a heterocycle of 4
 to 7 atoms with the nitrogen to which they are
 attached;
 - R₃ and R₅ are chosen independently from:
 - hydrogen,
 - A,
 - halogens,

- the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R''₆, SiR₆R'₆R"₆,
- 5 saturated or unsaturated rings, optionally containing at least one hetero atom chosen from O, N and S, these rings containing 4 to 7 atoms and possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
 - R₄ is chosen from:
 - hydrogen,
 - A,
- the groups COR_6 , CSR_6 , $COOR_6$, $CONR_6R'_6$, $CSNR_6R'_6$, SO_2R_6 , $SO_2NR_6R'_6$,
 - saturated or unsaturated hydrocarbon-based rings,
 of 4 to 7 atoms, 5-atom heterocycles containing
 from one to four hetero atoms, 6-atom
- heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles
 containing from one to three hetero atoms, the
 hetero atoms being chosen from O, N and S, these
 heterocycles being saturated or unsaturated, the
 said rings and the said heterocycles possibly
- being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being

substituted with at least one substituent T₄ chosen from A and R;

- R₆, R'₆, R"₆ and R'''₆ are chosen from:
 - hydrogen,
- 5 saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R^\prime ,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
 - R is chosen from:
- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,

 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇,
- OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇;
 - R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 25 halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, NR₇COR'₇, NR₇CSR7₈,

- OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;

5

- R_7 , R'_7 , R''_7 and R'''_7 independently represent hydrogen or a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl;
- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and

possibly being substituted with at least one substituent R,

as a cosmetic composition for caring for and/or making up human eyelashes, to reduce their loss and/or to increase their density.

10. Use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof:

$$\begin{array}{c|c}
R5 & R1 \\
\hline
N & R2 \\
R4 & R3
\end{array}$$
(I)

10

in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,
- saturated or unsaturated, linear or branched C_1 - $C_{20} \text{ alkyl radicals optionally substituted with at}$ $\text{least one substituent } T_1,$
- saturated or unsaturated rings containing at
 least one hetero atom chosen from 0, N and S and
 saturated hydrocarbon-based rings, these rings

 containing from 4 to 7 atoms and possibly being
 fused, comprising a carbonyl or thiocarbonyl
 function, and/or possibly being substituted with
 at least one substituent T₂ chosen from A and R,
 R₁ and R₂ also possibly forming a heterocycle of 4

to 7 atoms with the nitrogen to which they are attached;

- R₃ and R₅ are chosen independently from:
 - hydrogen,
- 5 A,

10

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- halogens,
- the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from 0, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
- R₄ is chosen from:
 - hydrogen,
- 20 A,
 - the groups COR_6 , CSR_6 , $COOR_6$, $CONR_6R'_6$, $CSNR_6R'_6$, SO_2R_6 , $SO_2NR_6R'_6$,
 - saturated or unsaturated hydrocarbon-based rings, of 4 to 7 atoms, 5-atom heterocycles containing from one to four hetero atoms, 6-atom heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles

containing from one to three hetero atoms, the hetero atoms being chosen from O, N and S, these heterocycles being saturated or unsaturated, the said rings and the said heterocycles possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₄ chosen from A and R;

- R₆, R'₆, R"₆ and R'''₆ are chosen from:
- 10 hydrogen,

- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R',
- saturated or unsaturated rings, of 4 to 7 atoms,

 optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly
 being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being
 substituted with at least one substituent R;
- 20 R is chosen from: \(\cdot\)
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,
 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇,
 OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇,
 NR₇C(=NR'₇)NR"₇R₂"₇ and SiR₇R'₇R"₇;

- R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- 5 the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R"₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms,
 optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly
 being fused and/or comprising a carbonyl or
 thiocarbonyl function;
- R₇, R'₇, R"₇ and R'''₇ independently represent
 hydrogen or a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl;
- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen
 from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being
 substituted with at least one substituent R;
 - T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆,

 CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,

OCOR6, SCOR6, CSNR6R'6, SO₂R6, SO₂NR6R'6, NR6SO₂R'6, NR6C(=NR'6)NR"6R''6, SiR6R'6R"6, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from 0, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R,

for the preparation of a composition for caring for and/or treating human eyelashes, which is intended to induce and/or stimulate their growth and/or increase their density.

- 11. Use of at least one pyrazolecarboxamide compound of formula (I), or a salt thereof, for the manufacture of a composition for preserving the amount and/or activity of the prostaglandins in the hair follicles.
- 12. Cosmetic use of at least one pyrazole-carboxamide compound of formula (I), or a salt thereof,20 as an agent for preserving the amount and/or activity of prostaglandins in the hair follicles.
 - 13. Use according to one of the preceding claims, characterized in that the pyrazolecarboxamide compound has the formula (II) below, or a salt thereof:

$$\begin{array}{c|c}
R5 & & \\
N & R2 \\
R4 & & \\
\end{array}$$
(II)

in which:

- R₁ and R₂ are chosen independently from:
- 5 hydrogen,
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 , R_1 and R_2 also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;
 - R₃ and R₅ are chosen independently from:
 - hydrogen,
 - A,

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- halogens,
- the groups OR_6 , SR_6 , $NR_6R'_6$, CN, CF_3 , $COOR_6$,
 - saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or possibly being substituted with at least one substituent T₃ chosen from A and R;
 - R₄ is chosen from:
 - hydrogen,

- A,

5

- the groups COR6 and COOR6,
- saturated or unsaturated hydrocarbon-based rings of 4 to 7 atoms, these rings possibly being substituted with at least one substituent T₄
 chosen from A and R;
- R₆ and R'₆ are chosen from:
 - hydrogen,
- saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals optionally substituted with at least one substituent R',
 - saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or possibly being substituted with at least one substituent R;
 - R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 20 halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃ and COOR₇;
 - R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
- 25 halogens,
 - the groups OR₇, SR₇, NR₇R'₇, CN, CF₃ and COOR₇,
 - saturated or unsaturated rings of 4 to 7 atoms,

optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused;

- R₇ and R'₇ independently represent hydrogen or a
 saturated or unsaturated, linear or branched C₁-C₂₀
 alkyl radical;
 - A represents a saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radical optionally substituted with at least one substituent T_5 chosen from halogens, the groups OR_7 , SR_7 , $NR_7R'_7$, CN, CF_3 and
- COOR₇ and saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or possibly being substituted with
- 15 at least one substituent R;

10

- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃ and COOR₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and possibly being substituted with at least one substituent R.
- 14. Use according to one of the preceding claims, characterized in that at least one from among R_1 and R_2 represents a group $(CH_2)_nR_8$ with R_8 representing 25 OH or $-S-(CH_2)_mR_9$, with R_9 representing H or Hy, in which Hy represents a heterocycle of 4 to 7 atoms.
 - 15. Use according to one of the preceding

claims, characterized in that R_1 represents hydrogen and R_2 represents a group $(CH_2)_nR_8$ with n being equal to 2 and m being equal to 1.

- 16. Use according to the preceding claim,
 5 characterized in that Hy represents a 5-atom heterocycle.
 - 17. Use according to one of Claims 14 to 16, characterized in that Hy comprises oxygen as hetero atom.
- 18. Use according to one of the preceding claims, characterized in that R₄ represents a hydrocarbon-based ring containing 5 or 6 atoms and especially an optionally substituted phenyl radical.
- 19. Use according to one of the preceding 15 claims, characterized in that at least one from among R_3 and R_5 represents CF_3 .
 - $20.\,$ Use according to one of the preceding claims, characterized in that R_3 represents CF_3 and R_5 represents H.
- 21. Use according to one of the preceding claims, characterized in that the salt of the compound of formula (I) is a salt chosen from the sodium or potassium salts, the zinc (Zn^{2+}) , calcium (Ca^{2+}) , copper (Cu^{2+}) , iron (Fe^{2+}) , strontium (Sr^{2+}) , magnesium (Mg^{2+}) ,
- 25 manganese (Mn²⁺) and ammonium salts, the triethanolamine, monoethanolamine, diethanolamine, hexadecylamine, N,N,N',N'-tetrakis(2-hydroxypropyl)ethylene-

diamine and tris(hydroxymethylamino)methane salts, hydroxides, carbonates, halides, sulphates, phosphates and nitrates.

22. Use according to one of the preceding
5 claims, characterized in that the compound satisfies
one of the following formulae:

Compound 1

Compound 2

10

Compound 3

Compound 5

5 Compound 6

Compound 7

- 23. Use according to one of the preceding claims, characterized in that the compound of formula

 5 (I) or a mixture of compounds of formula (I) is used at a concentration ranging from 10⁻³ to 10%, and preferably from 10⁻² to 2%, relative to the total weight of the composition.
- 24. Use according to one of the preceding 10 claims, characterized in that the composition is a composition for topical application.
 - 25. Composition for caring for or making up keratin fibres, containing a physiologically acceptable medium and an effective amount of at least one
- 15 pyrazolecarboxamide compound of formula (I), or a salt thereof:

in which:

ullet R₁ and R₂ are chosen independently from:

- hydrogen,
- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent T_1 ,
- least one hetero atom chosen from O, N and S and saturated hydrocarbon-based rings, these rings containing from 4 to 7 atoms and possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T₂ chosen from A and R, R₁ and R₂ also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;
- 15 R₃ and R₅ are chosen independently from:
 - hydrogen,
 - A,
 - halogens,
- the groups OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆,
 COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆,
 OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆,
 NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆,
- saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being

substituted with at least one substituent T_3 chosen from A and R;

- R₄ is chosen from:
 - hydrogen,
- 5 A,
 - the groups COR₆, CSR₆, COOR₆, CONR₆R'₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆,
- saturated or unsaturated hydrocarbon-based rings, of 4 to 7 atoms, 5-atom heterocycles containing 10 from one to four hetero atoms, 6-atom heterocycles containing from one to three nonadjacent hetero atoms, 4- or 7-atom heterocycles containing from one to three hetero atoms, the hetero atoms being chosen from O, N and S, these 15 heterocycles being saturated or unsaturated, the said rings and the said heterocycles possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent T4 20 chosen from A and R;
 - R₆, R'₆, R"₆ and R'''₆ are chosen from:
 - hydrogen,

- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R^\prime ,
- saturated or unsaturated rings, of 4 to 7 atoms,
 optionally containing at least one hetero atom

chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thio-carbonyl function, and/or possibly being substituted with at least one substituent R;

- 5 R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇,
 COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR'₇,
 OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇,
 NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇;
 - R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,

15

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- the groups OR₇, SR₇, NR₇R'₇, CN, CF₃, COR₇, CSR₇, COOR₇, COSR₇, CSOR₇, CSSR₇, NR₇COR'₇, NR₇CSR7₈, OCOR₇, SCOR₇, CSNR₇R'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, NR₇C(=NR'₇)NR"₇R'''₇ and SiR₇R'₇R"₇,
- saturated or unsaturated rings, of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or comprising a carbonyl or thiocarbonyl function;
- R₇, R'₇, R"₇ and R'''₇ independently represent hydrogen or a saturated or unsaturated, linear or

branched C₁-C₂₀ alkyl;

- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical, optionally substituted with at least one substituent T₅ chosen
 from: R' and the saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and/or possibly being substituted with at least one substituent R;
- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃, COR₆, CSR₆, COOR₆, COSR₆, CSOR₆, CSSR₆, NR₆COR'₆, NR₆CSR'₆, OCOR₆, SCOR₆, CSNR₆R'₆, SO₂R₆, SO₂NR₆R'₆, NR₆SO₂R'₆, NR₆C(=NR'₆)NR"₆R'''₆, SiR₆R'₆R"₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused, comprising a carbonyl or thiocarbonyl function, and possibly being substituted with at least one substituent R.
 - 26. Composition according to Claim 25, characterized in that the pyrazolecarboxamide compound has the formula (II) below, or a salt thereof:

in which:

- R₁ and R₂ are chosen independently from:
 - hydrogen,
- saturated or unsaturated, linear or branched C₁ C₂₀ alkyl radicals optionally substituted with at least one substituent T₁, R₁ and R₂ also possibly forming a heterocycle of 4 to 7 atoms with the nitrogen to which they are attached;
 - R₃ and R₅ are chosen independently from:
- 10 hydrogen,
 - A,
 - halogens,
 - the groups OR6, SR6, NR6R'6, CN, CF3, COOR6,
- saturated or unsaturated rings of 4 to 7 atoms,
 optionally containing at least one hetero atom
 chosen from O, N and S, these rings possibly
 being fused and/or possibly being substituted
 with at least one substituent T₃ chosen from A and
 R;
- 20 R₄ is chosen from:
 - hydrogen,
 - A,
 - the groups COR6 and COOR6,
- saturated or unsaturated hydrocarbon-based rings
 of 4 to 7 atoms, these rings possibly being
 substituted with at least one substituent T₄
 chosen from A and R;

- R₆ and R'₆ are chosen from:
 - hydrogen,

5

- saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals optionally substituted with at least one substituent R^\prime ,
 - saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or possibly being substituted with at least one substituent R;
 - R is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- 15 the groups OR_7 , SR_7 , $NR_7R'_7$, CN, CF_3 and $COOR_7$;
 - R' is chosen from:
 - saturated or unsaturated, linear or branched C_1 C_{20} alkyl radicals,
 - halogens,
- the groups OR_7 , SR_7 , $NR_7R'_7$, CN, CF_3 and $COOR_7$,
 - saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused;
- 25 R_7 and R'_7 independently represent hydrogen or a saturated or unsaturated, linear or branched C_1-C_{20} alkyl radical;

- A represents a saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radical optionally substituted with at least one substituent T₅ chosen from halogens, the groups OR₇, SR₇, NR₇R'₇, CN, CF₃ and
 COOR₇ and saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and/or possibly being substituted with at least one substituent R;
- T₁ is chosen from OR₆, SR₆, NR₆R'₆, CN, CF₃ and COOR₆, halogens, saturated or unsaturated rings of 4 to 7 atoms optionally containing at least one hetero atom chosen from O, N and S, these rings possibly being fused and possibly being substituted with at least one substituent R.
 - 27. Composition according to Claim 25 or 26, characterized in that at least one from among R_1 and R_2 represents a group $(CH_2)_nS(CH_2)_mHy$, in which Hy represents a heterocycle.
- 28. Composition according to one of Claims 25 to 27, characterized in that R_1 represents hydrogen and R_2 represents a group $(CH_2)_nS(CH_2)_mHy$ in which Hy represents a heterocycle with n being equal to 2 and m being equal to 1.
- 29. Composition according to one of Claims
 25 to 28, characterized in that Hy represents a 5-atom
 heterocycle.

- 30. Composition according to one of Claims 25 to 29, characterized in that Hy comprises oxygen as hetero atom.
- 31. Composition according to one of Claims 25 to 30, characterized in that one from among R_3 and R_5 represents CF_3 .
 - 32. Composition according to one of Claims 25 to 31, characterized in that $R_{\rm 3}$ represents $CF_{\rm 3}$ and $R_{\rm 5}$ represents H.
- 10 33. Composition according to one of Claims 25 to 32, characterized in that R_4 represents a hydrocarbon-based ring containing 5 or 6 atoms.
 - 34. Composition according to one of Claims25 to 33, characterized in that the salt of the
- 15 compound of formula (I) is a salt chosen from the sodium or potassium salts, the zinc (Zn^{2+}) , calcium (Ca^{2+}) , copper (Cu^{2+}) , iron (Fe^{2+}) , strontium (Sr^{2+}) , magnesium (Mg^{2+}) , manganese (Mn^{2+}) and ammonium salts, the triethanolamine, monoethanolamine, diethanolamine,
- hexadecylamine, N,N,N',N'-tetrakis(2-hydroxypropy1)ethylenediamine and tris(hydroxymethylamino)methane
 salts, hydroxides, carbonates, halides, sulphates,
 phosphates and nitrates.
- 35. Composition according to one of Claims
 25 25 to 36, characterized in that the compound of formula
 (I) satisfies one of the following formulae:

Compound 2

5 Compound 3

Compound 4

Compound 6

5 Compound 7

Compound 8

36. Composition according to one of Claims

10 25 to 35, characterized in that the compound of formula (I) is used at a concentration ranging from 10^{-3} to 10%,

and preferably from 10^{-2} to 2%, relative to the total weight of the composition.

- 37. Composition according to one of Claims
 25 to 36, characterized in that the composition is for topical application.
 - 38. Composition according to one of Claims 25 to 37, characterized in that it is in the form of a hair cream, a hair lotion, a shampoo, a conditioner or a mascara for the hair or the eyelashes.
- 39. Composition according to one of Claims 25 to 38, characterized in that it is in the form of an aqueous, alcoholic or aqueous-alcoholic solution or suspension.
- 40. Composition according to one of

 Claims 25 to 39, characterized in that it contains
 other ingredients chosen from solvents, aqueous-phase
 or oily-phase thickeners or gelling agents, dyestuffs
 that are soluble in the medium of the composition,
 fillers, pigments, antioxidants, preserving agents,
- fragrances, electrolytes, neutralizers, film-forming polymers, UV-blockers and cosmetic and pharmaceutical active agents other than the compounds of formula (I), and mixtures thereof.
- 41. Composition according to one of
 25 Claims 25 to 40, characterized in that it also contains
 another active agent chosen from proteins, protein
 hydrolysates, amino acids, polyols, urea, allantoin,

sugars and sugar derivatives, plant extracts, hydroxy acids; retinol derivatives, tocopherol derivatives, essential fatty acids, ceramides, essential oils, salicylic acid derivatives, for instance 5-n-octanoyl salicylic acid, hydroxy acid esters, phospholipids and vitamins, and mixtures thereof.

- 42. Composition according to one of
 Claims 25 to 41, characterized in that it also contains
 at least one additional active compound that promotes

 10 the regrowth and/or limits the loss of keratin fibres.
- 43. Composition according to one of
 Claims 25 to 42, characterized in that it also contains
 at least one additional active compound that promotes
 the regrowth and/or limits the loss of keratin fibres,

 15 chosen from aminexil, 6-0-[(9Z,12Z)octadeca-
 - 9,12-dienoyl]hexapyranose, lipoxygenase inhibitors, bradykinin inhibitors, prostaglandins and derivatives thereof, prostaglandin receptor agonists or antagonists, non-prostanoic prostaglandin analogues,
- vasodilators, antiandrogens, cyclosporins and analogues thereof, antimicrobial agents, anti-inflammatory agents, retinoids, benzalkonium chloride, benzethonium chloride, phenol, oestradiol, chlorpheniramine maleate, chlorophylline derivatives, cholesterol, cysteine,
- 25 methionine, menthol, peppermint oil, calcium
 pantothenate, panthenol, resorcinol, protein kinase C
 activators, glycosidase inhibitors,

glycosaminoglycanase inhibitors, pyroglutamic acid esters, hexosaccharidic or acylhexosaccharidic acids, aryl-substituted ethylenes, N-acyl amino acids, flavonoids, ascomycin derivatives and analogues,

- 5 histamine antagonists, saponins, proteoglycanase inhibitors, oestrogen agonists and antagonists, pseudoterines, cytokines and growth factor promoters, IL-1 or IL-6 inhibitors, IL-10 promoters, TNF inhibitors, benzophenones, hydantoin, octopirox,
- retinoic acid, antipruriginous agents, antiparasitic agents, antifungal agents, nicotinic acid esters, calcium antagonists, hormones, triterpenes, antiandrogens, steroidal or non-steroidal 5-α-reductase inhibitors, potassium-channel agonists and FP receptor agonists, and mixtures thereof.
 - 44. Composition according to one of Claims 41 to 43, characterized in that the additional active compound is chosen from aminexil, FP receptor agonists and vasodilators.
- 45. Care or makeup composition for keratin fibres, comprising, in a physiologically acceptable medium, in particular a cosmetic medium, at least one compound of formula (I), or a salt thereof, and at least one additional active compound for promoting the regrowth of human keratin fibres and/or for limiting their loss, chosen from aminexil, FP receptor agonists and vasodilators.

- 46. Composition according to one of Claims 42 to 45, characterized in that the additional active compound is chosen from aminexil, minoxidil, latanoprost, butaprost and travoprost.
- fibres and/or the skin from which the said fibres emerge, characterized in that it consists in applying to the fibres and/or the skin a cosmetic composition as defined in any of Claims 25 to 46, leaving this composition in contact with the fibres and/or the skin, and optionally rinsing it off.
- 48. Cosmetic care and/or makeup process for human eyelashes, to improve their condition and/or appearance, characterized in that it consists in applying to the eyelashes and/or the eyelids a mascara composition comprising at least one compound of formula (I) or a salt thereof, and leaving this composition in contact with the eyelashes and/or the eyelids.
- 49. Cosmetic care process for human hair
 20 and/or the scalp characterized in that it consists in
 applying to the hair and/or the scalp a cosmetic
 composition as defined in any one of Claims 25 to 46,
 leaving the composition in contact with the hair and/or
 the scalp, and optionally rinsing it off.
- 50. Pyrazolecarboxamide compound of formula (III), or a salt thereof:

$$\begin{array}{c}
O \\
N \\
N \\
CF_{3}
\end{array}$$
(III)

in which R₈ represents OH or -S-(CH₂)_m-R₉, with R₉
representing H or Hy; T₄ represents H or 4-COOH; n
5 represents an integer ranging from 1 to 10 and m
represents an integer ranging from 1 to 10; Hy
represents a heterocycle of 4 to 7 atoms.

- 51. Compound according to Claim 50, characterized in that Hy represents furan.
- 52. Compound according to Claim 50 or 51, characterized in that n = 2 and/or m = 1.